

Application Serial No: 10/530,725
Responsive to the Office Action mailed on August 31, 2009

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IN THE CLAIMS

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An analyzing method comprising:

a ~~wavelength-relation~~ determination step of determining a relationship between variations of ~~response-reflectivity~~ and variations of wavelength with respect to a reference board whose ~~response-reflectivity~~ varies continuously as the wavelength of light irradiated onto the reference board varies, the variations of the wavelength of irradiated light being caused by environmental temperature changes that also cause fluctuations of ~~response~~ reflectivity;

a first detection step of irradiating light onto a reaction system to detect a ~~response~~ an amount of light reflected from the reaction system as a first detection result, the reaction system including a sample liquid and a reagent;

a second detection step of irradiating light onto the reference board to detect a ~~response~~ an amount of light reflected from the reference board as a second detection result; and

a calculation step of calculating the wavelength of irradiated light based on the second detection result and the relationship between variations of reflectivity and variations of wavelength with respect to the reference board while also calculating a concentration of a specific component in the sample liquid based on the predetermined relationship between variations of response and variations of wavelength with respect to the reference board,
and the first and second detection results the first detection result and the calculated wavelength of irradiated light.

2. (Original) The analyzing method according to claim 1, wherein the calculation step includes selecting a most suitable calibration curve from a plurality of pre-created

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calibration curves based on the second detection result, and calculating the concentration of the specific component based on the selected calibration curve and the first detection result.

3. (Previously Presented) The analyzing method according to claim 1, wherein the calculation step further includes correcting the first detection result based on the second detection result, and calculating the concentration of the specific component based on the correction and a calibration curve.

4. (Original) The analyzing method according to claim 1, wherein the calculation step further includes performing primary calculation of the concentration of the specific component, and obtaining a final calculated value by correcting the primary calculated value.

5. (Cancelled)

6. (Currently Amended) An analyzing device comprising:

a storage ~~for storing that stores~~ a relationship between variations of ~~response~~ reflectivity and variations of wavelength with respect to a reference board whose ~~response-reflectivity~~ varies continuously as the wavelength of light irradiated onto the reference board varies, the variations of the wavelength of irradiated light being caused by environmental temperature changes that also cause fluctuations of reflectivity response;

a light irradiator for irradiating light toward a reaction system and the reference board, the reaction system including a sample liquid and a reagent;

a detecting unit arranged to face the reaction system and the reference board for detecting ~~a first response an amount of light reflected~~ from the reaction system under light irradiation from the light irradiator as a first detection result, the detecting unit detecting ~~a second response an amount of light reflected~~ from the reference board under light irradiation from the light irradiator as a second detection result; and

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a calculator connected to the detecting unit and the storage for calculating the wavelength of irradiated light based on the second detection result and the predetermined relationship between variations of reflectivity and variations of wavelength with respect to the reference board while also calculating a concentration of a specific component in the sample liquid based on the first detection result and the calculated wavelength of irradiated light ~~said relationship and the first and second responses.~~

7. (Currently Amended) The analyzing device according to claim 6,
wherein the storage also stores a plurality of calibration curves each representing relationship between ~~a the first detection result corresponding to the first response and the~~ concentration of the specific component;

the analyzing device further comprising a selector connected to the calculator and the storage for selecting a most suitable calibration curve for calculation from the plurality of calibration curves based on ~~a the second detection result corresponding to the second response;~~

the calculator calculating the concentration of the specific component based on the calibration curve selected by the selector and the first detection result.

8. (Currently Amended) The analyzing device according to claim 6, wherein the calculator corrects the first detection result ~~corresponding to the first response based on the second detection result corresponding to the second response,~~ and then calculates the concentration of the specific component based on the correction.

9. (Original) The analyzing device according to claim 6, wherein the calculator performs primary calculation of the concentration of the specific component based on the first detection result, and then calculates a final value by correcting the primary calculated value.

10. (Currently Amended) The analyzing device according to claim 6, further comprising a controller connected to the detecting unit and the calculator for controlling timing for detection of ~~the second response~~ detection result at the detector.

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11. (Currently Amended) The analyzing device according to claim 10, wherein the controller controls the detector for detecting the second detection result ~~response~~ before or after the detection of the first detection result ~~response~~, or simultaneously with the detection of the first detection result ~~response~~.

12. (Currently Amended) The analyzing device according to claim 10, wherein the controller controls the detector for detecting the second detection result ~~response~~ upon start-up of the analyzing device.

Claims 13-18. (Cancelled)